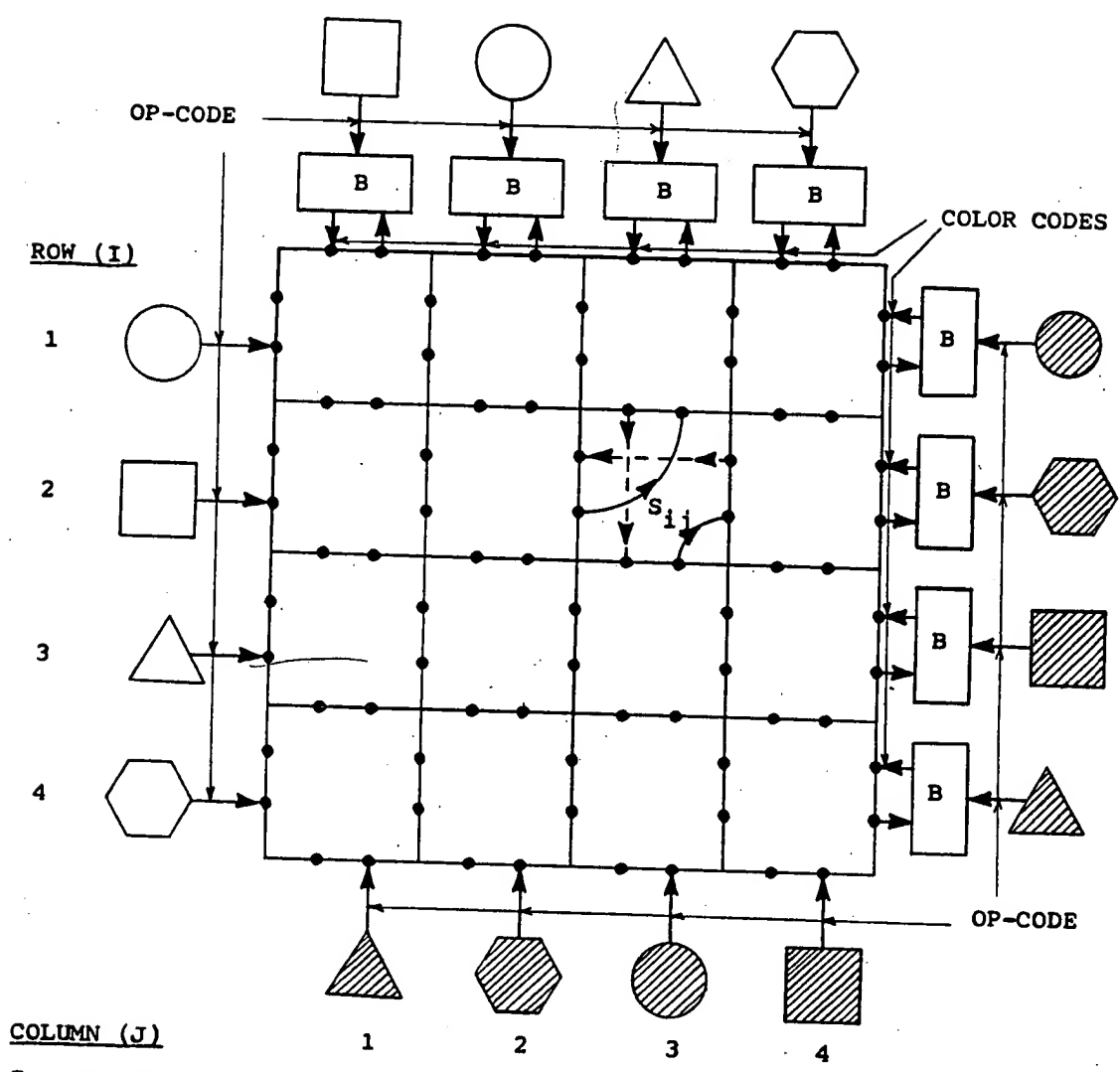


702711
292891

1-23



B: BOOLEAN FUNCTION

OBJECT								
OP-CODE	000	001	010	011	100	101	110	111

GEOMETRIC LAYOUT OF DEVICE FOR N = 4

FIG. 1

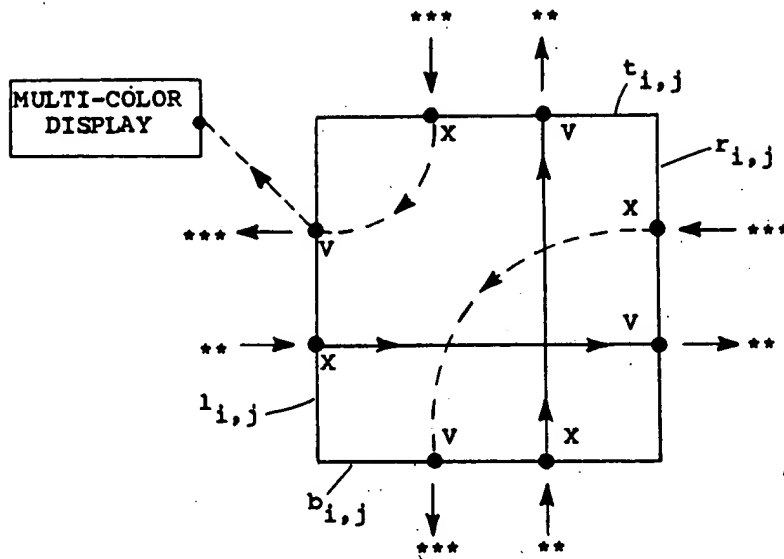


FIG. 2a

SWITCH $w_{i,j}$ ON ("1")

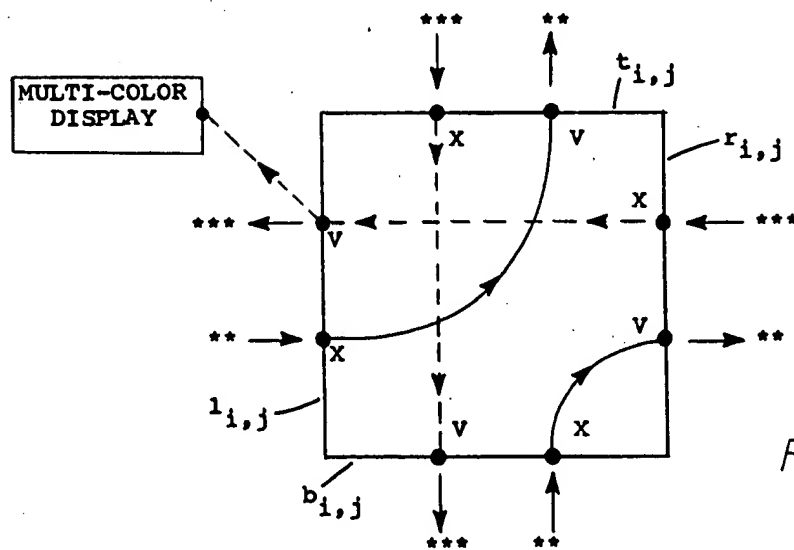


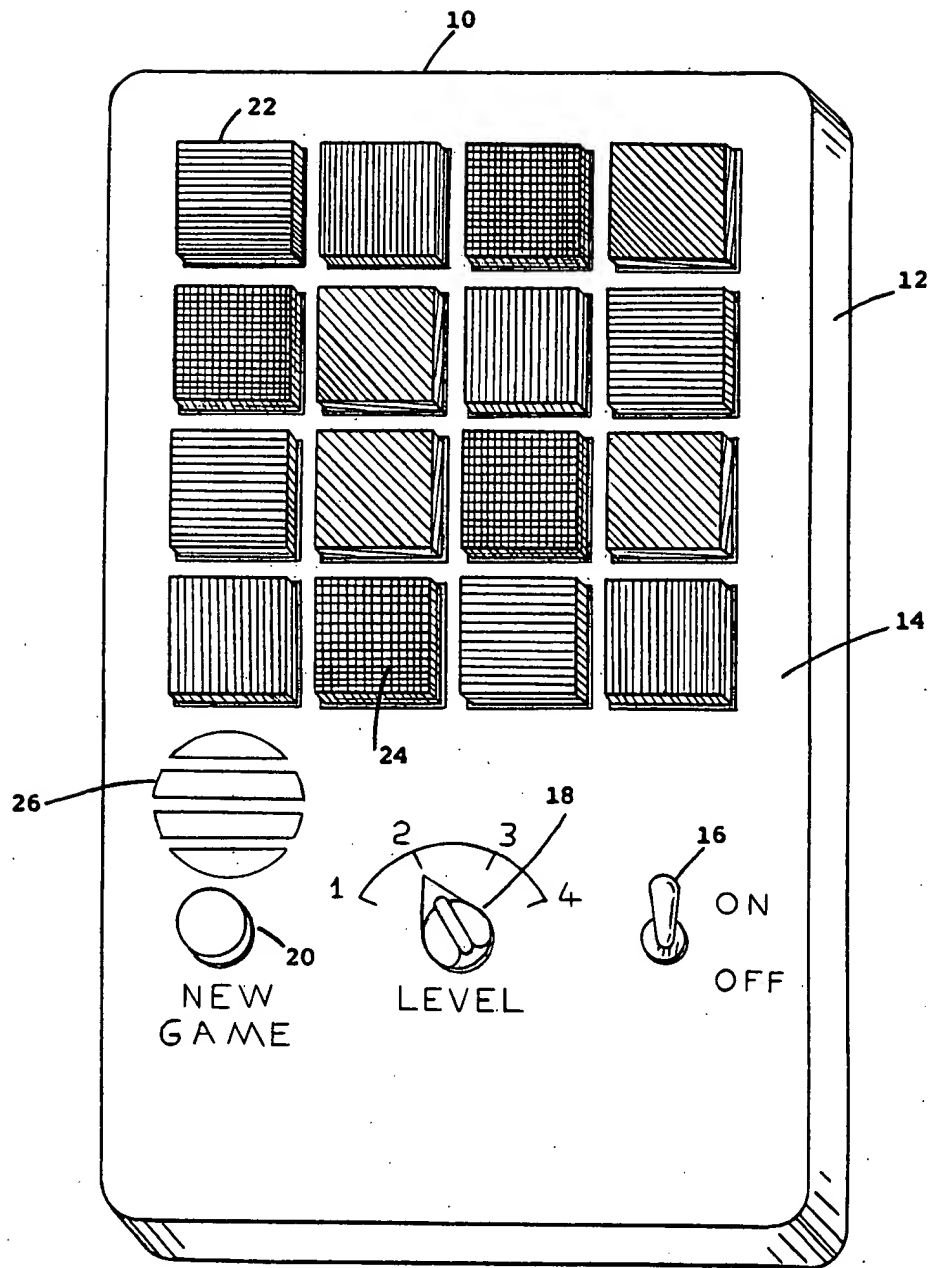
FIG. 2b

SWITCH $w_{i,j}$ OFF ("0")

LEGEND: ** OP-CODE
*** COLOR CODE

ROUTING SQUARE $S_{i,j}$

3,767,789

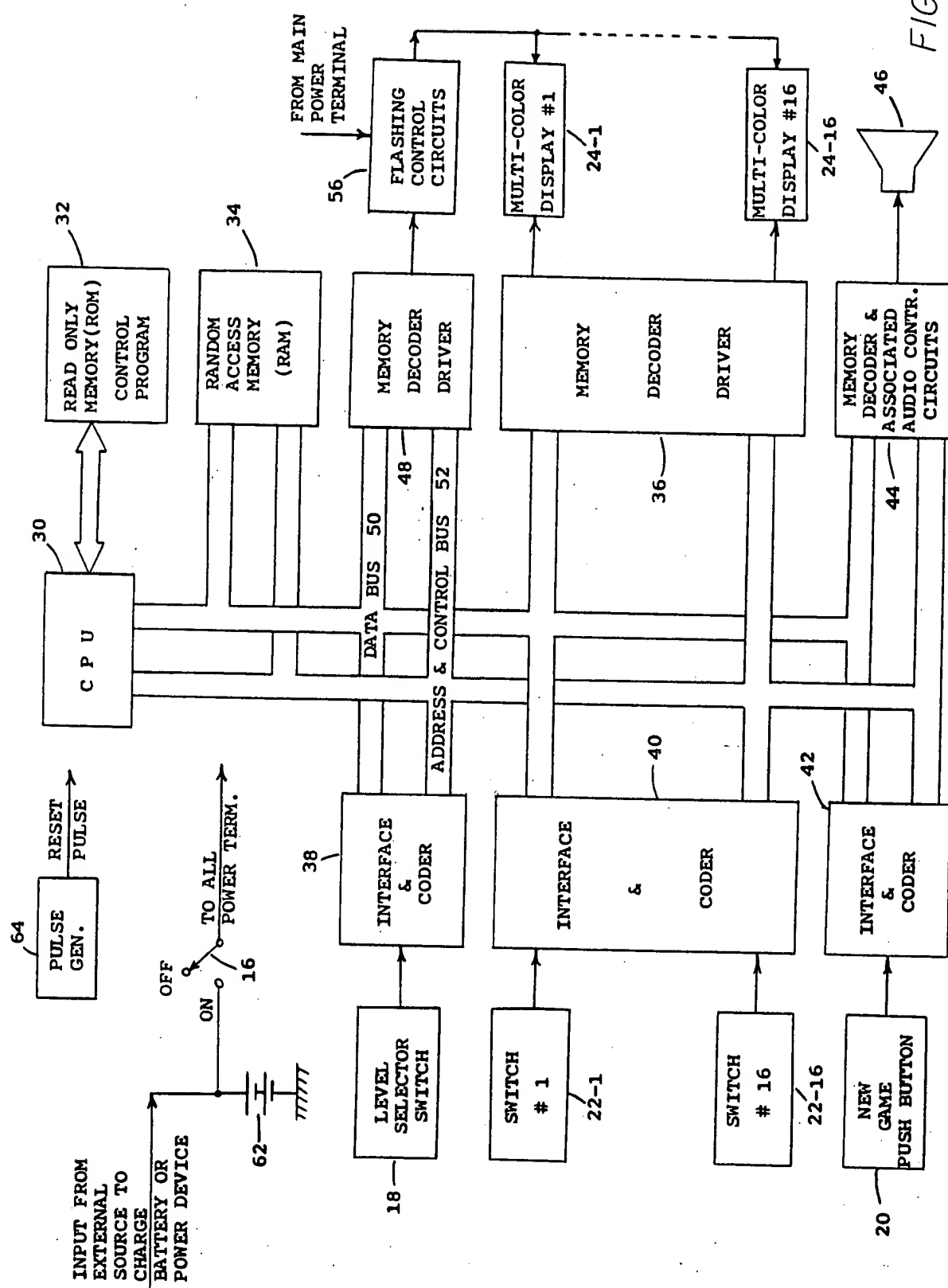


HAND HELD LOGIC GAME DEVICE

FIG. 3

~~31678~~
962971

FIG. 4



~~37689~~
962971

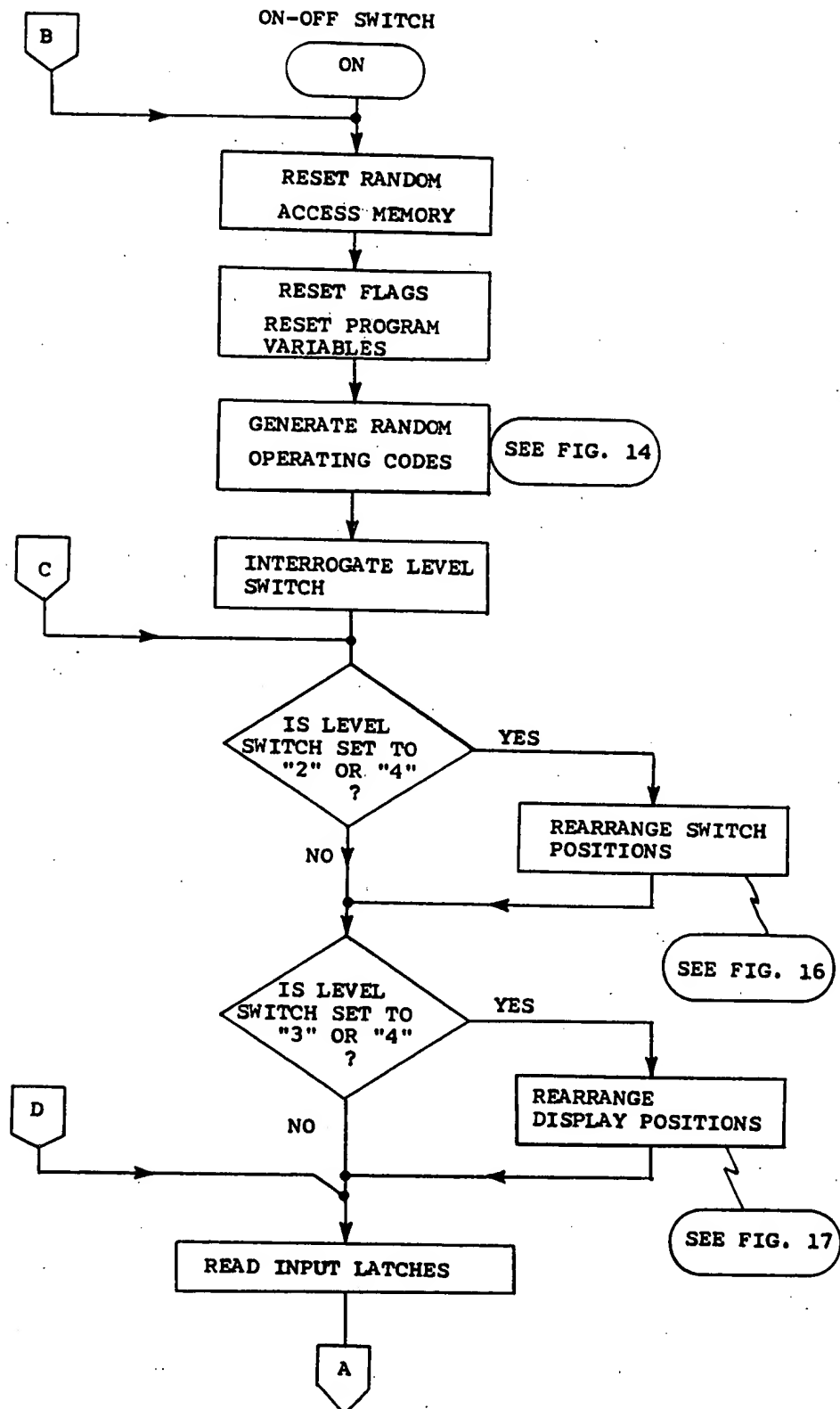


FIG. 5

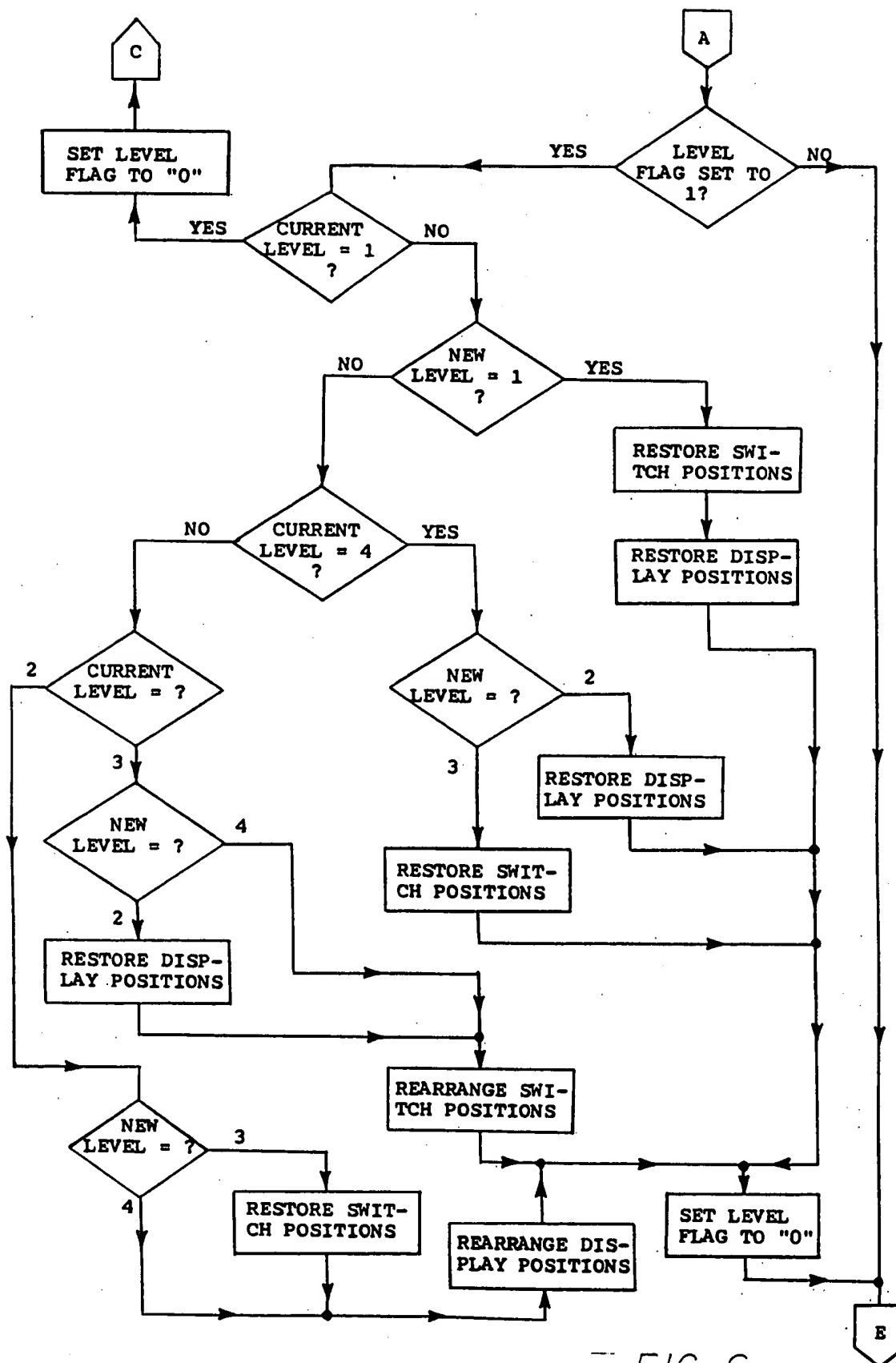


FIG. 6

396789
962901

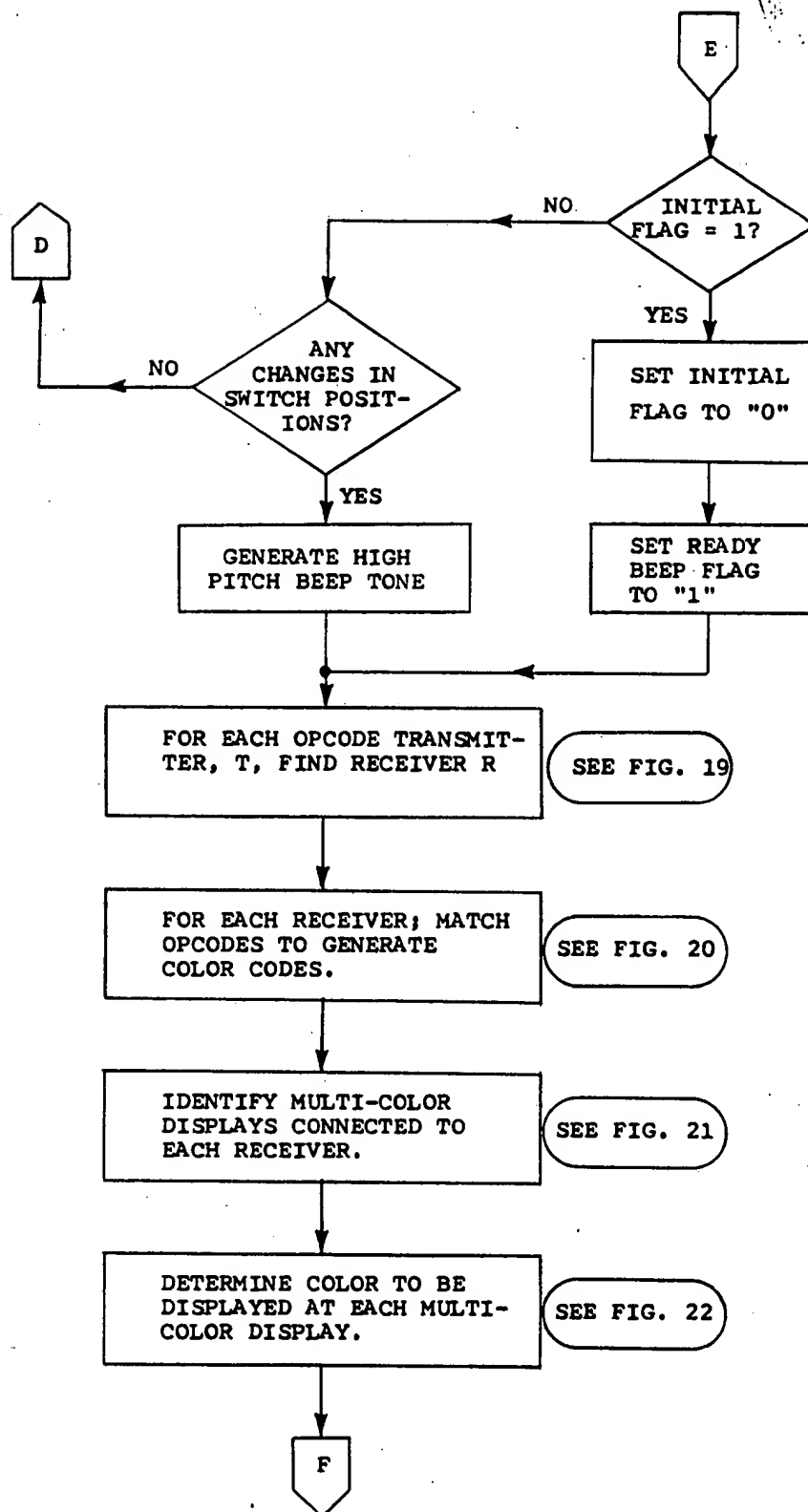


FIG. 7

~~396 789~~
962971

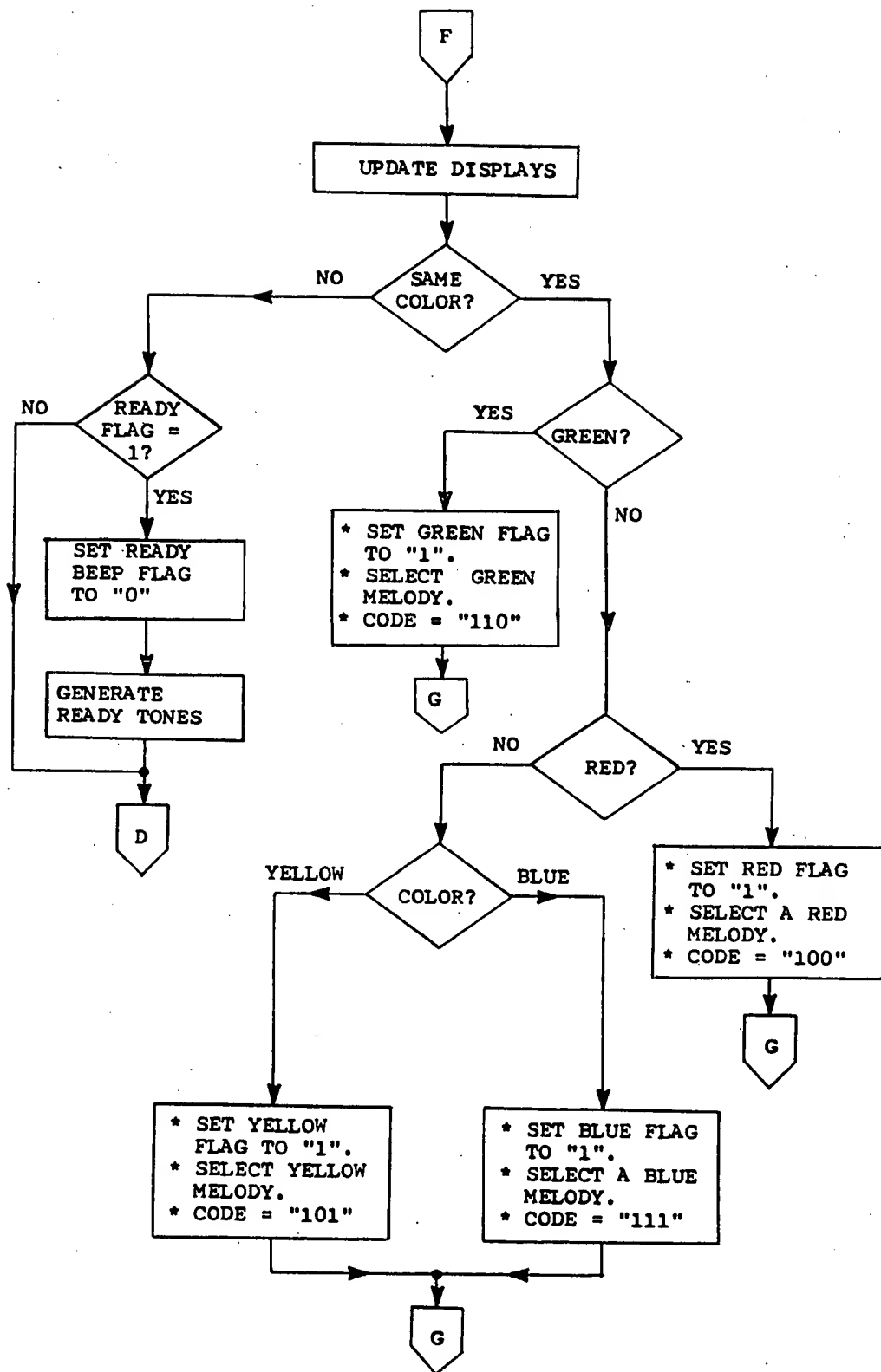


FIG. 8

376489
962977

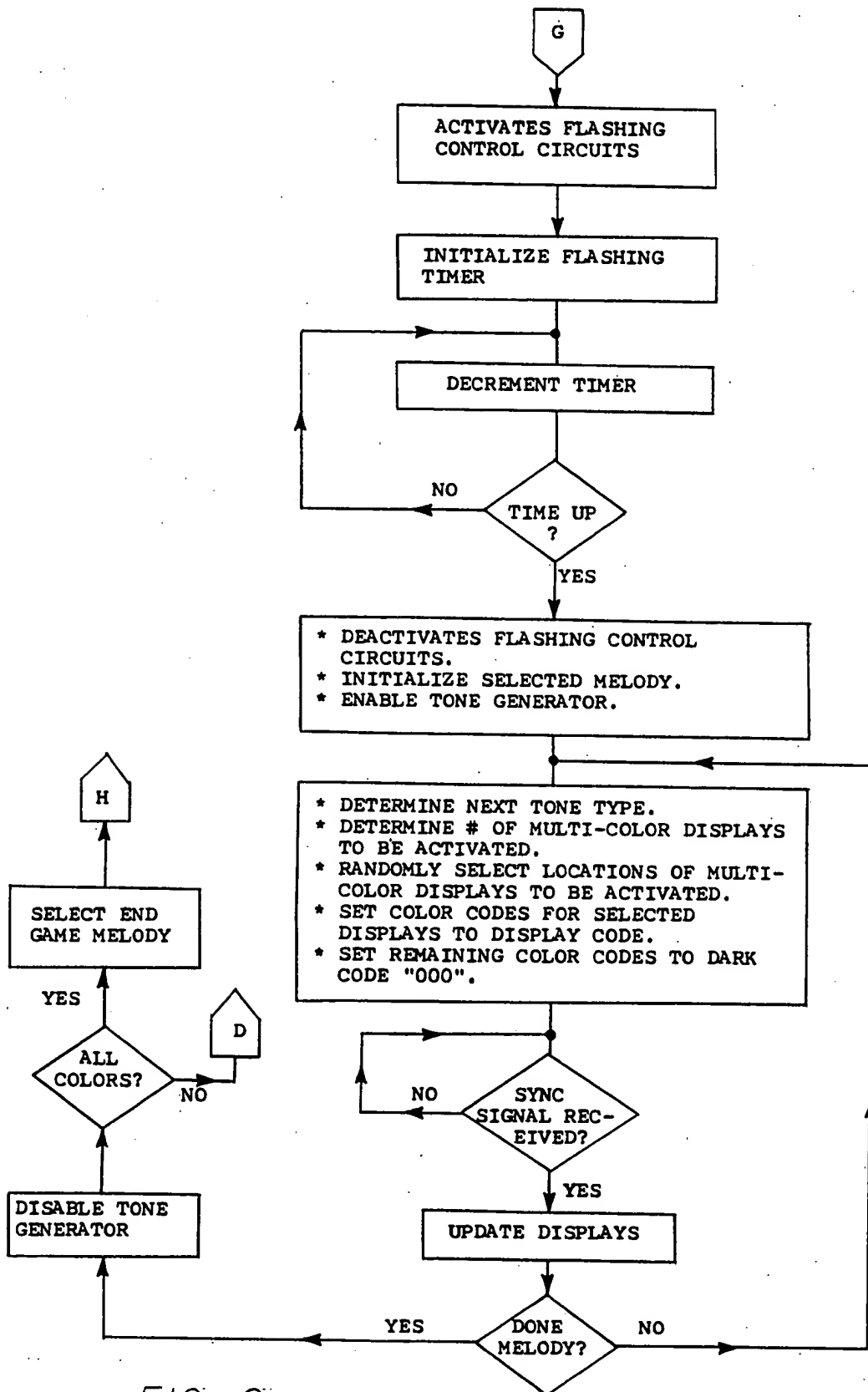


FIG. 9

~~376789~~
962971

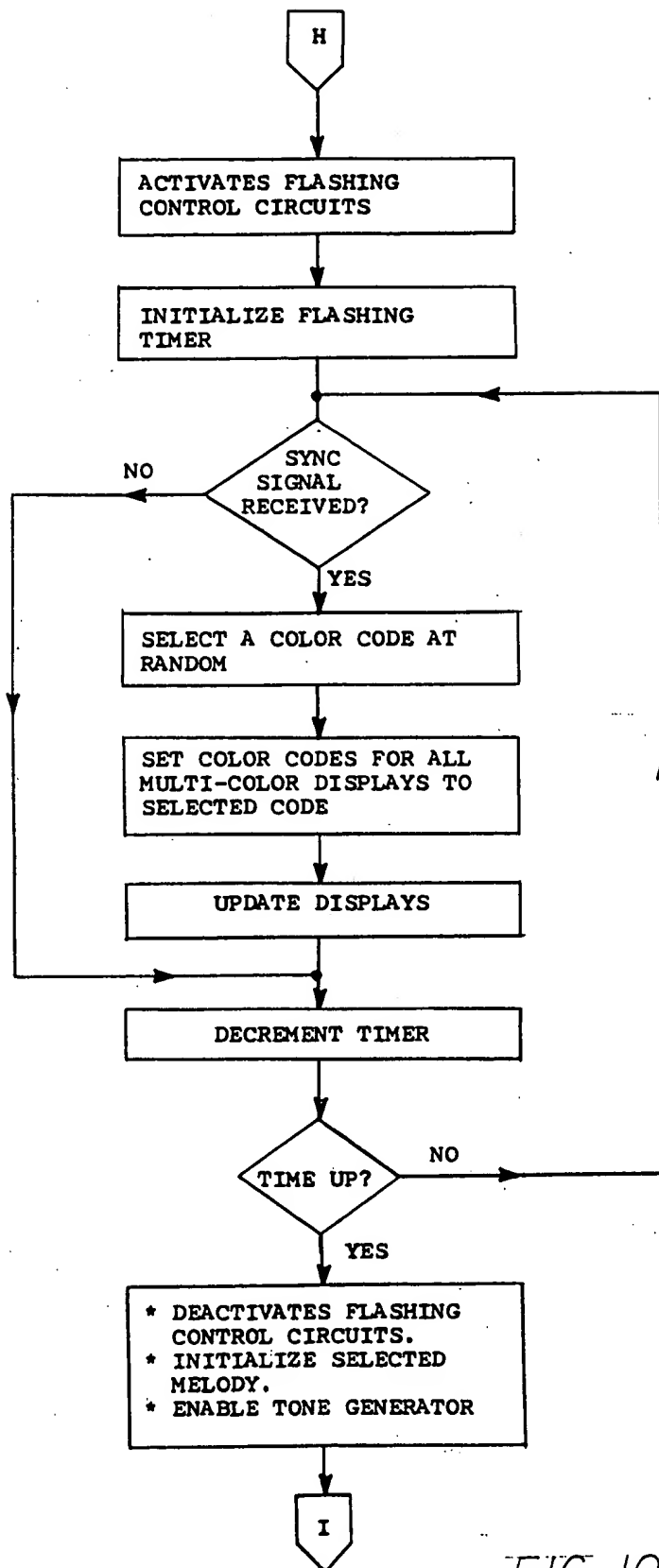


FIG. 10

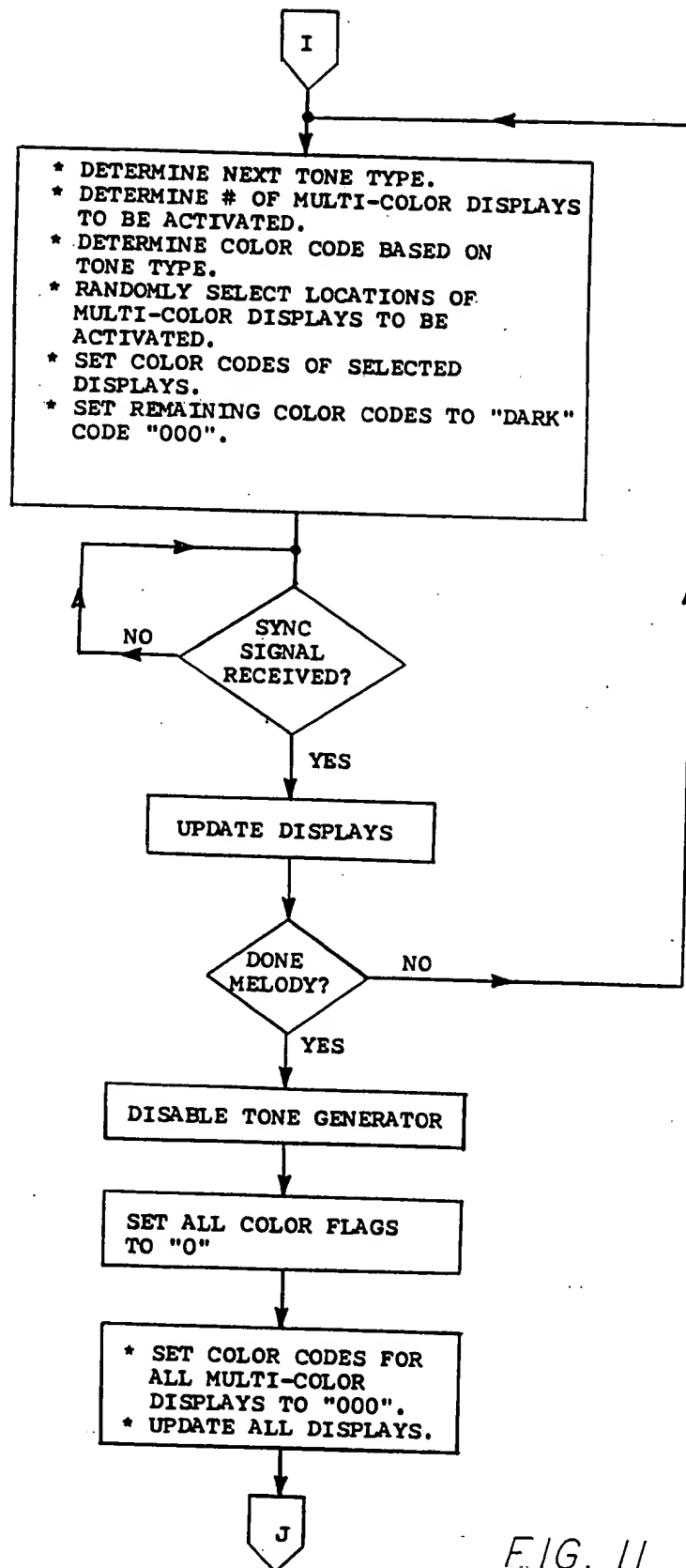


FIG. 11

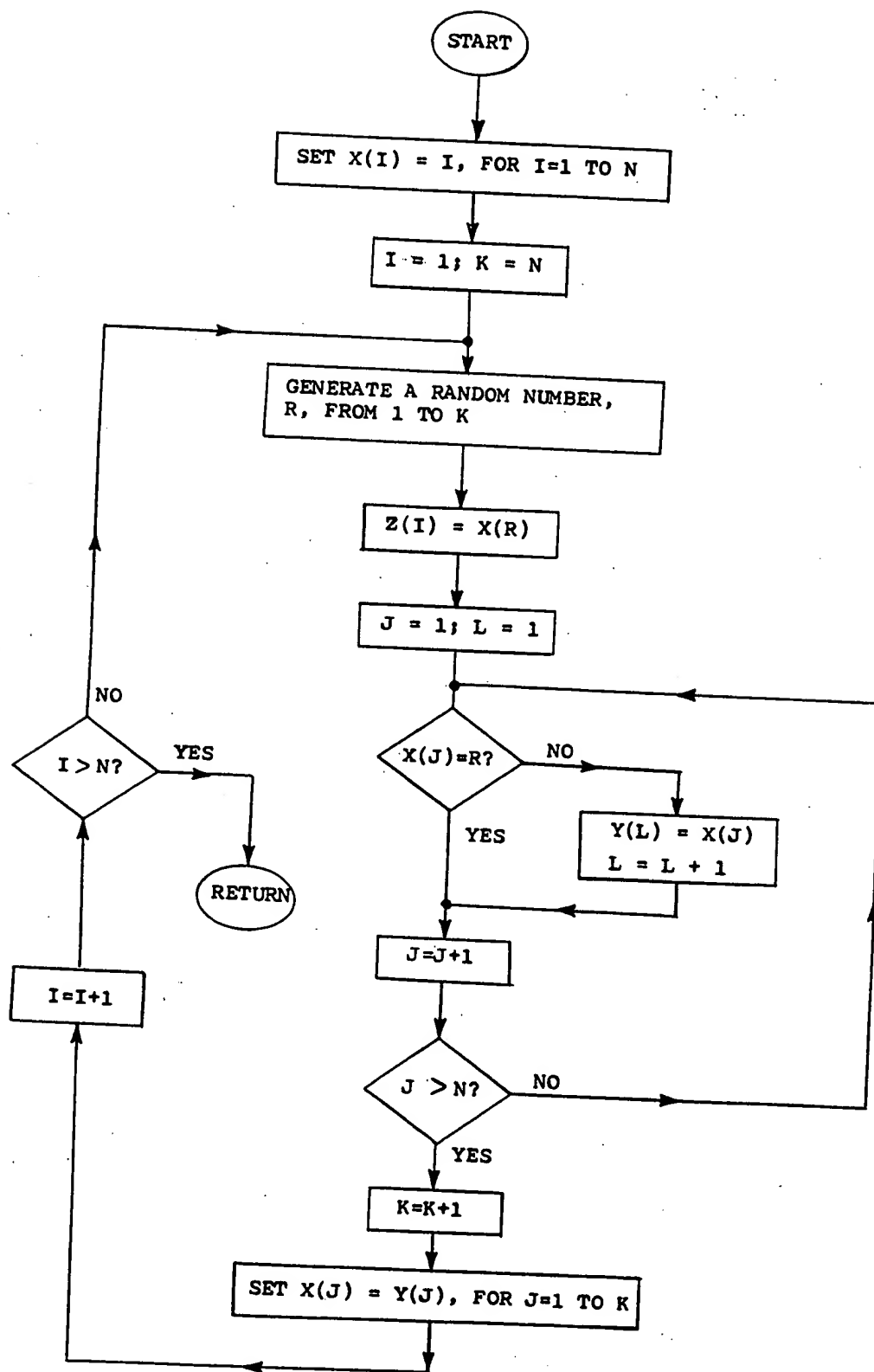


FIG. 13

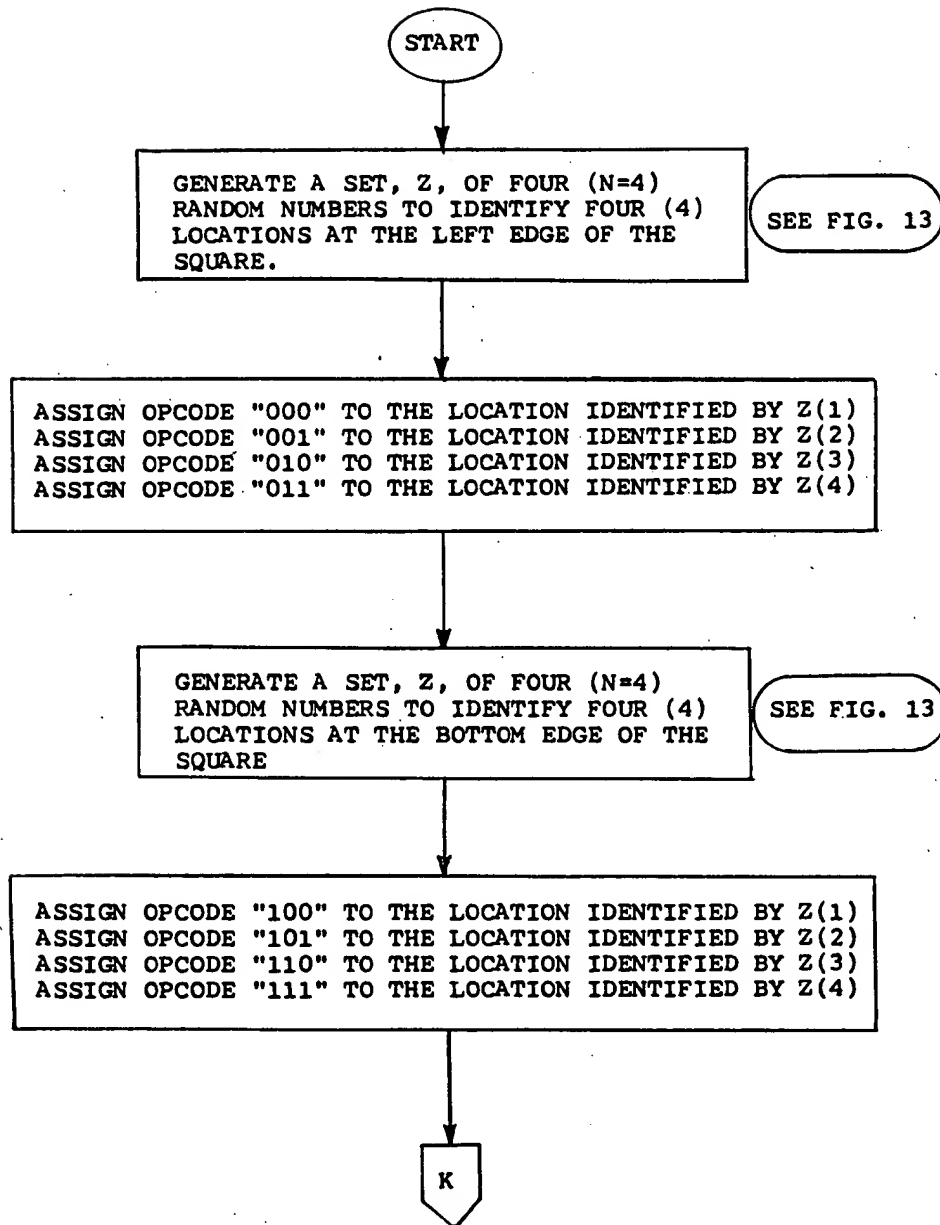


FIG. 14

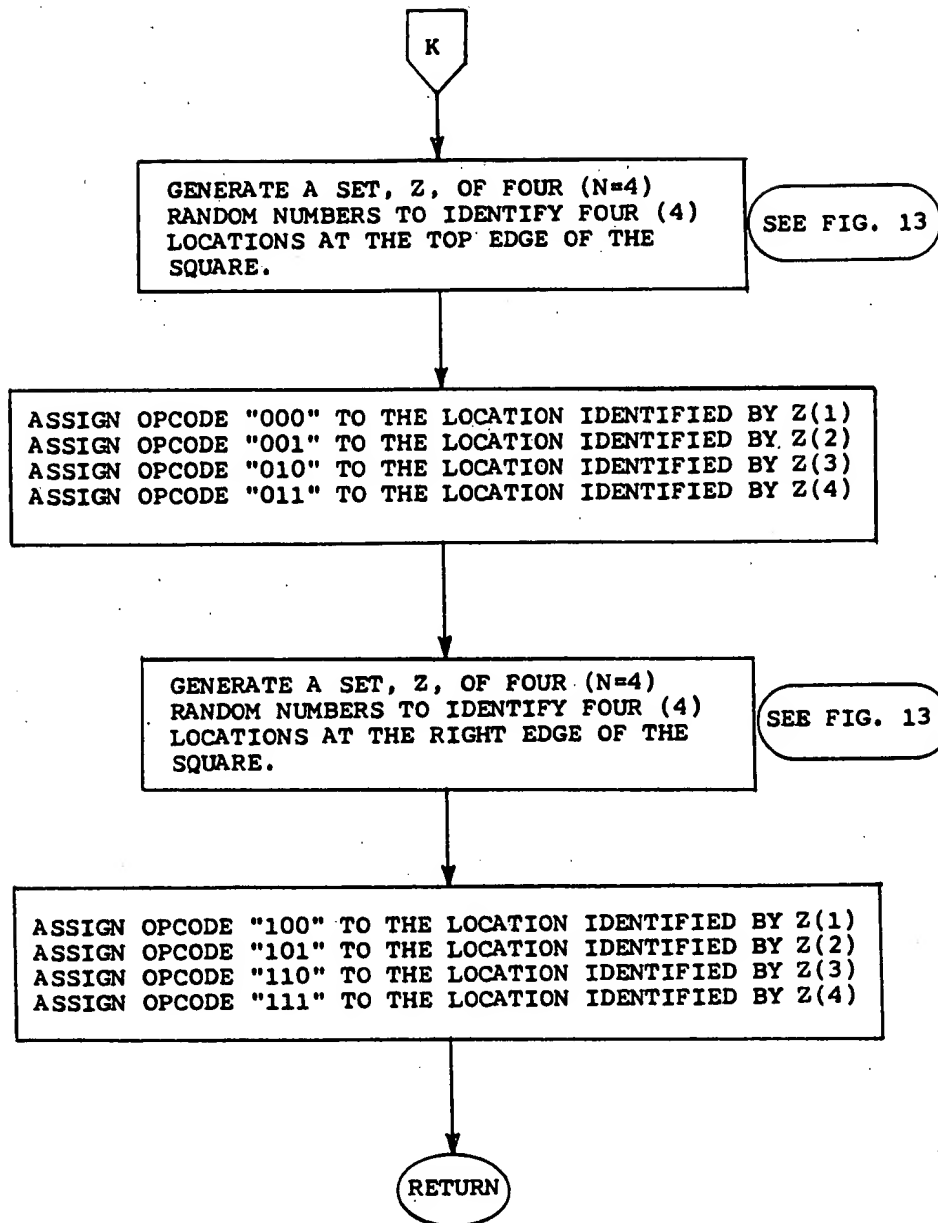


FIG. 15

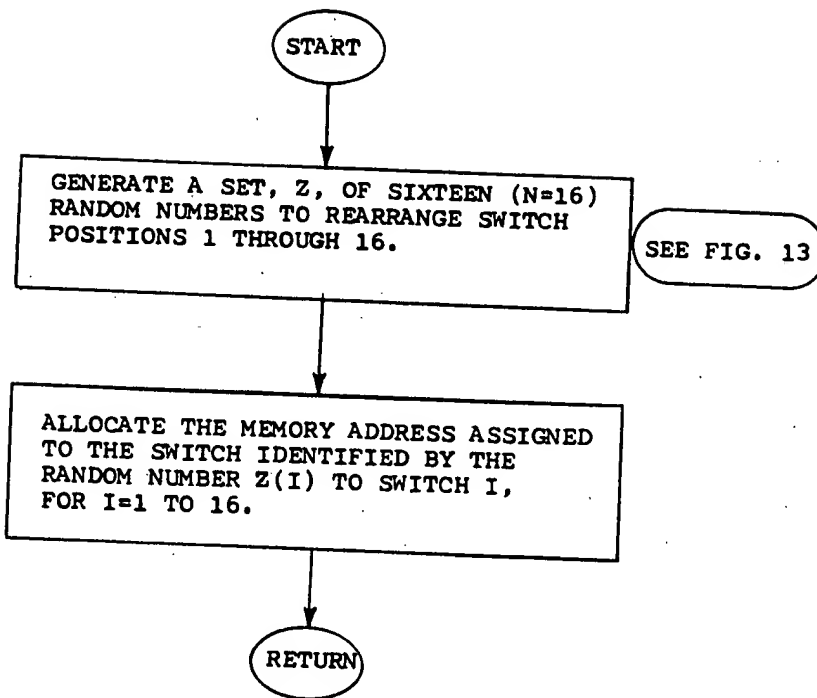


FIG. 16

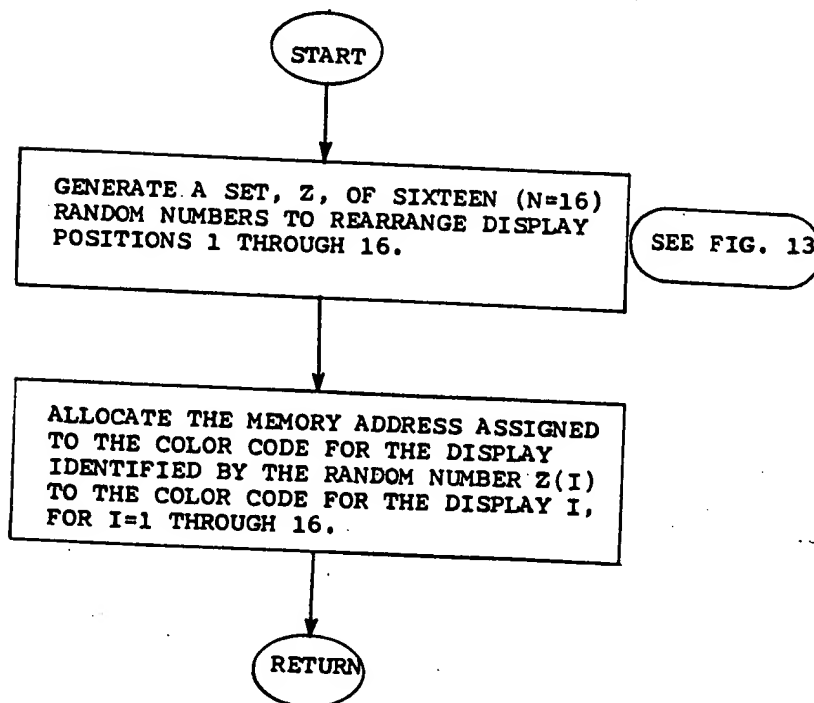
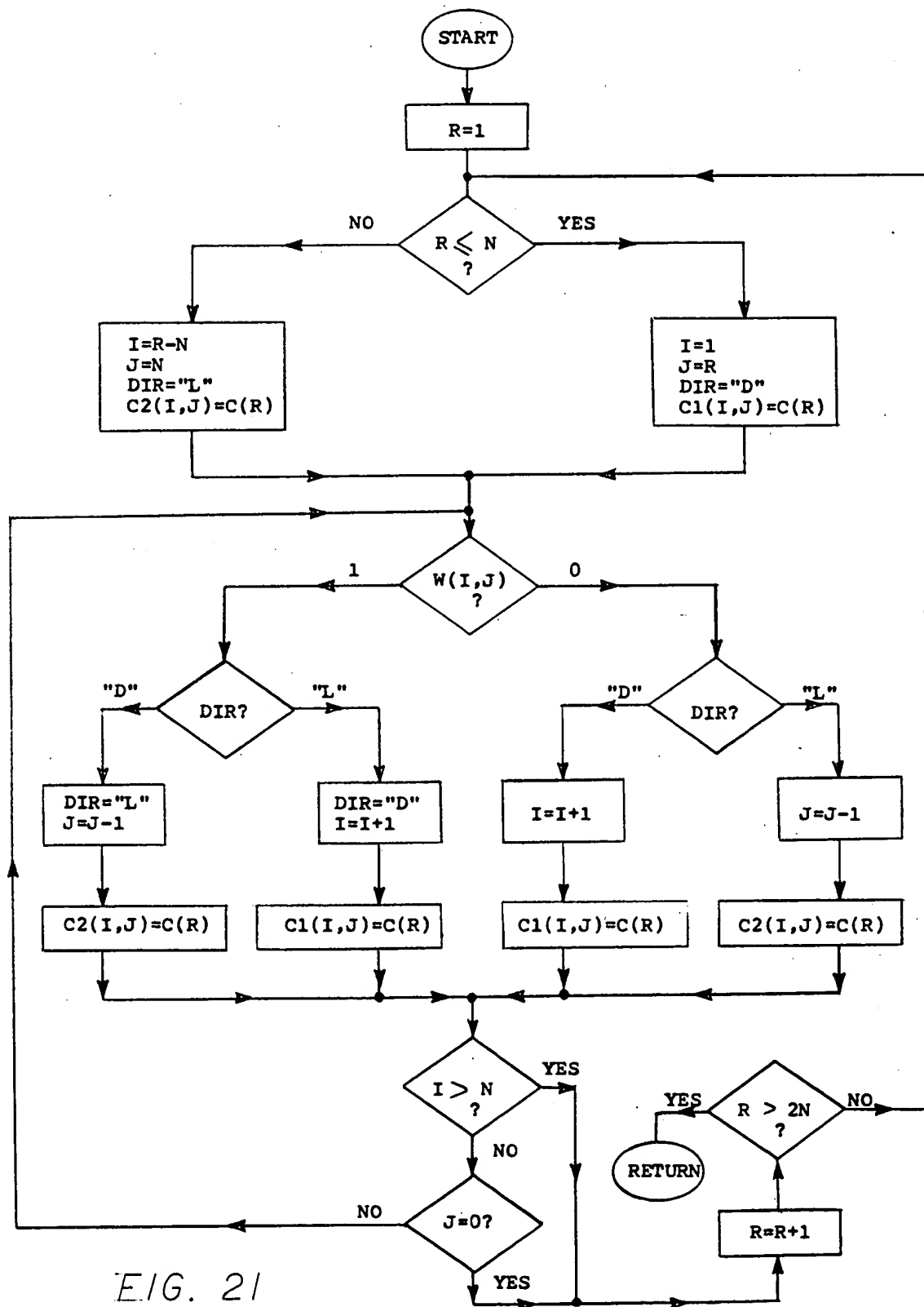
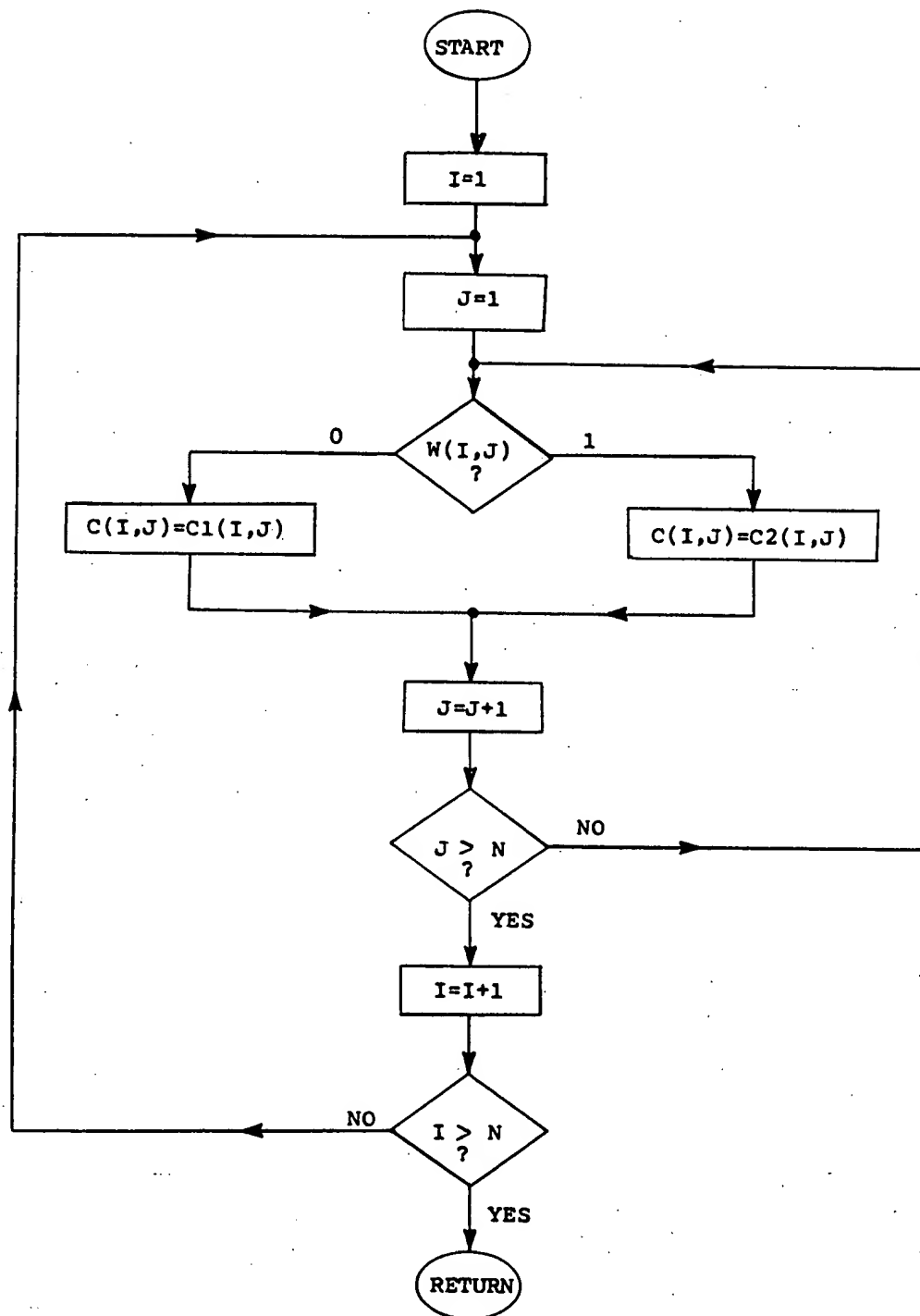


FIG. 17





OP- CODE	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	0	0	0	1	1	0	1	1	0	0	0	1	1	1	1	1
	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
0000																
0001																
0010																
0011																
0100																
0101																
0110																
0111																
1000																
1001																
1010																
1011																
1100																
1101																
1110																
1111																

COLOR CODE	1000	1001	1010	1011	1100	1101	1110	1111
COLOR								

COLOR ASSIGNMENTS FOR N = 8

FIG. 24